## IN THE CLAIMS:

Claims 19-26 have been cancelled. New claims 29-39 have been added. All claim amendments and cancellations are made without prejudice or disclaimer. Please enter the following claims:

- 1. (Currently Amended) An A human binding molecule comprising an agonistic binding molecule capable of binding to and stimulating the human OX40-receptor, characterized in that the binding molecule is a human binding molecule.
- 2. (Currently Amended) A The human binding molecule according toof claim 1, eharacterized in that wherein the binding molecule has a synergistic stimulatory effect when coincubated with OX40-ligand.
- 3. (Currently Amended) A<u>The human</u> binding molecule according to <u>of</u> claim 1 or 2, characterized in that 46, wherein the binding molecule comprises at least a CDR3 complementary determining region comprising the amino acid sequence selected from the group consisting of SEQ ID NO:17 (DRYSQVHYALDY), SEQ ID NO:18 (DRYVNTSNAFDY), SEQ ID NO:19 (DMSGFHEFDY), SEQ ID NO:20 (DRYFRQQNAFDY), SEQ ID NO:21 (ARAAGTIFDY), SEQ ID NO:22 (DRYITLPNALDY), SEQ ID NO:23 (YDEPLTIYWFDS) and SEQ ID NO:24 (YDNVMGLYWFDY).
- 4. (Currently Amended) A<u>The human</u> binding molecule according to any of the claims 1 3, characterized in that claim 46, wherein the binding molecule comprises a heavy chain comprising an amino acid sequence selected from the group consisting of SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27 and SEQ ID NO:28.

- 5. (Currently Amended) A-The human binding molecule of claim 46, comprising a functional variant of a binding molecule according to claim 3 or 4comprising at least one amino acid sequence selected from the group consisting of SEQ ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23, SEQ ID NO:24, SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27, and SEQ ID NO:28, wherein the functional variant is capable of competing for specifically binding to the human OX40-receptor.
- 6. (Currently amended) An-The human binding molecule of claim 46, wherein the binding molecule comprises an immunoconjugate comprising a binding molecule according to any one of the claims 1—4 or a functional variant according to claim 5, the immunoconjugate further comprising at least one tag.
- 7. (Currently Amended) A nucleic acid molecule sequence encoding a-the human binding molecule according to any one of the claims 1 4 or a functional variant according to claim 546.
- 8. (Currently Amended) A vector comprising at least one nucleic acid molecule according to sequence of claim 7.
  - 9. (Original) A host comprising at least one vector according to claim 8.
- 10. (Currently Amended) A<u>The</u> host according toof claim 9, wherein the host is a cell derived from a human cell.

- 11. (Currently Amended) A method of producing a binding molecule according capable of binding to any one of and stimulating the claims 1 4 or a functional variant according to claim 5, whereinhuman OX40-receptor, the method comprises the steps of:comprising:
- a)—culturing a host according to claim 9 or 10 comprising at least one vector encoding a binding molecule or functional variant thereof capable of binding to and stimulating the human OX40-receptor under conditions conducive to the expression of the binding molecule or functional variant, and;
- b) optionally recovering the expressed expressing the binding molecule or functional variant; and isolating the binding molecule or functional variant.
- 12. (Currently Amended) A<u>The</u> binding molecule or functional variant thereof—as obtainable, produced by the method according to claim 11.
- 13. (Currently Amended) A method of identifying a binding molecule <u>capable of</u> specifically binding to the human OX40-receptor or a nucleic acid molecule encoding a binding molecule specifically binding to the human OX40-receptor, <del>wherein the method comprises the steps of:comprising:</del>
- a)—contacting a phage library of binding molecules with material comprising the extracellular domain of the human OX40-receptor,
- b) ——selecting at least once for a-phage binding to the material comprising the human OX40-receptor, and
  - e)—separating and recovering the phage binding to the material comprising the human OX40-receptor.

- 14. (Currently amended) A method of obtaining a binding molecule specifically binding to the human OX40 receptor or a nucleic acid molecule encoding a human binding molecule specifically binding to the human OX40 receptor, wherein the method comprises the steps of:
  - (a) performing the The method according to claim 13, and
  - (b) <u>further comprising</u> isolating from the recovered phage the binding molecule or the nucleic acid molecule encoding the binding molecule.
- 15. (Currently Amended) A composition comprising a-the human binding molecule according to any one of the claims 1—4, a functional variant according to claim 5, an immunoconjugate according to claim 6, or a binding46 and a stabilizing molecule or functional variant thereof according to claim 12.
- 16. (Currently Amended) A composition comprising <u>a-the</u> nucleic acid molecule <u>according toof</u> claim 7 and a gene delivery vehicle.
- 17. (Currently Amended) A pharmaceutical composition comprising a-the human binding molecule according to any one of the claims 1—4, a functional variant according to claim 5, an immunoconjugate according to claim 6, a binding molecule or functional variant thereof according to claim 12, or a composition according to claim 15 or 16, the pharmaceutical composition further comprising 46 and at least one pharmaceutically acceptable excipient.
- 18. (Currently Amended) A The pharmaceutical composition according toof claim 17 further comprising at least one other therapeutic agent.
  - 19. 26. (Cancelled)

- 27. (Currently Amended) A method for modulating a T-cell- response in a human, subject, said method comprising the step of administering to said human subject an effective dose of a composition comprising the binding molecule according of claim 1 in an amount sufficient to any one of bind to and stimulate the claims 1—4 or a functional variant of claim 5, an immunoconjugate according to claim 6, a nucleic acid molecule according to claim 7, a vector according to claim 8 or a pharmaceutical composition according to claim 17 or 18-OX40-receptor in the subject.
- 28. (Currently Amended) <u>AThe</u> method <u>according to of claim</u> 27, wherein said modulation comprises the stimulation of T-cell proliferation.
  - 29. (New) The method according to claim 27, wherein the subject is a human.
- 30. (New) The method according to claim 11, said method further comprising recovering the expressed binding molecule or functional variant.
- 31. (New) The method according to claim 27, wherein the binding molecule comprises a complementary determining region comprising an oligopeptide sequence consisting of 10 to 12 amino acids, wherein the oligopeptide sequence is Xaa<sub>1</sub>-Xaa<sub>2</sub>-R-Xaa<sub>3</sub>-Asp-Xaa<sub>4</sub>, wherein Xaa<sub>1</sub> is selected from the group consisting of Ala, Tyr, and Asp, Xaa<sub>2</sub> is selected from the group consisting of Asp, Arg and Met, R is selected from the group consisting of a pentapeptide or a heptapeptide, Xaa<sub>3</sub> is Phe or Leu, and Xaa<sub>4</sub> is Tyr or Ser, wherein the binding molecule binds to and stimulates the OX40-receptor in the subject.
- 32. (New) The method according to claim 31, wherein the complementary determining region is selected from the group consisting of SEQ ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23 and SEQ ID NO:24.

- 33. (New) The method according to claim 31, wherein the binding molecule comprises a sequence selected from the group consisting of SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27 and SEQ ID NO:28.
- 34. (New) The method according to claim 31, wherein the binding molecule further comprises at least one tag that enhances an immune response in the subject.
- 35. (New) The method according to claim 31, wherein administering to said subject an effective dose of the binding molecule further comprises administering to said subject an effective dose of a nucleic acid sequence encoding the binding molecule, wherein the nucleic acid sequence is operably linked to a regulatory sequence, and expressing the binding molecule in the subject.
- 36. (New) The method according to claim 27, wherein the composition further comprises at least one pharmaceutically acceptable excipient.
- 37. (New) The method according to claim 27, comprising enhancing an immune response in the subject.
- 38. (New) The method according to claim 37, comprising enhancing the immune response against a tumor, bacteria or viral antigen.
- 39. (New) A method of treating neoplastic, viral or bacterial diseases, the method comprising:

administering the binding molecule of claim 1 to a subject believed to be in need thereof.

40. (New) A method for modulating a T-cell response in a subject, comprising: administering an effective dose of a binding molecule to a subject, wherein the binding molecule comprises a complementary determining region comprising an oligopeptide sequence consisting of 10 to 12 amino acids, wherein the oligopeptide sequence is Xaa<sub>1</sub>-Xaa<sub>2</sub>-R-Xaa<sub>3</sub>-Asp-Xaa<sub>4</sub>, wherein Xaa<sub>1</sub> is selected from the group consisting of Ala, Tyr, and Asp, Xaa<sub>2</sub> is selected from the group consisting of a pentapeptide or a heptapeptide, Xaa<sub>3</sub> is Phe or Leu, and Xaa<sub>4</sub> is Tyr or Ser;

binding the binding molecule to an OX40-receptor in the subject; enhancing an immune response in the subject; and stimulating the OX40-receptor, thereby modulating the T-cell response in the subject.

- 41. (New) The method according to claim 40, wherein the binding molecule comprises at least one amino acid sequence selected from the group consisting of SEQ ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23, SEQ ID NO:24, SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27, and SEQ ID NO:28.
- 42. (New) The method according to claim 41, wherein the binding molecule comprises SEQ ID NO:25 and SEQ ID NO:29.
- 43. (New) The method according to claim 41, wherein the binding molecule comprises SEQ ID NO:26 and SEQ ID NO:30.
- 44. (New) The method according to claim 41, wherein the binding molecule comprises SEQ ID NO:27 and SEQ ID NO:31.
- 45. (New) The method according to claim 41, wherein the binding molecule comprises SEQ ID NO:28 and SEQ ID NO:32.

- 46. (New) The human binding molecule of claim 1, wherein the binding molecule comprises a complementary determining region comprising an oligopeptide sequence consisting of 10 to 12 amino acids, wherein the oligopeptide sequence is Xaa<sub>1</sub>-Xaa<sub>2</sub>-R-Xaa<sub>3</sub>-Asp-Xaa<sub>4</sub>, wherein Xaa<sub>1</sub> is selected from the group consisting of Ala, Tyr, and Asp, Xaa<sub>2</sub> is selected from the group consisting of a pentapeptide or a heptapeptide, Xaa<sub>3</sub> is Phe or Leu, and Xaa<sub>4</sub> is Tyr or Ser.
- 47. (New) The nucleic acid of claim 7, wherein said nucleic acid molecule encodes a binding molecule having an amino acid sequence selected from the group consisting of SEQ ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, SEQ ID NO:22, SEQ ID NO:23, SEQ ID NO:24, SEQ ID NO:25, SEQ ID NO:26, SEQ ID NO:27, SEQ ID NO:28.
- 48. (New) The human binding molecule of claim 5, comprising SEQ ID NO:25 and SEQ ID NO:29.
- 49. (New) The human binding molecule of claim 5, comprising SEQ ID NO:26 and SEQ ID NO:30.
- 50. (New) The human binding molecule of claim 5, comprising SEQ ID NO:27 and SEQ ID NO:31.
- 51. (New) The human binding molecule of claim 5, comprising SEQ ID NO:28 and SEQ ID NO:32.